

WHAT IS CLAIMED IS:

1. A data reproducing method for reading data having been written in a data recording area of a recording medium, the data being interleaved with a data linking block appended at each fixed length packet as a recording unit, and linked at a linking position in the data linking block, the method comprising steps of:

reading the data from the data recording area of the recording medium and de-interleaving the data thus read;

detecting the position of the data linking block by checking that the data is a one having been written in units of the fixed length packet; and

generating a reading data by removing the data linking block.

2. The method as set forth in claim 1, wherein it is checked based on data written in the recording medium that the data has been written in units of the fixed length packet.

3. The method as set forth in claim 1, wherein the data linking blocks include at least one run-out block, one link block and at least one run-in block.

4. A data player for reading data having been written in a data recording area of a recording medium, the data being interleaved with a data linking block appended at each fixed length packet as a recording unit, and linked at a linking position in the data linking block, the apparatus comprising:

means for reading the data from the data recording area of the recording medium;

means for de-interleaving the data read from the data recording area of the recording medium; and

means removing the data linking block from the de-interleaved data to generate a reading data;

the reading signal generating means detecting the position of the data linking block by checking that the data has been written in units of the fixed length packet.

5. The apparatus as set forth in claim 4, wherein it is checked based on data written in the recording medium that the data has been written in units of the fixed length packet.

6. The apparatus as set forth in claim 4, wherein the data linking blocks include at least one run-out block, one link block and at least one run-in block.

7. The apparatus as set forth in claim 4, wherein the data linking blocks include one run-out block, one link block and one run-in block.

8. A data recording method for writing data to a data recording area of a recording medium by appending data linking blocks at each unit of data to continuously be written to the data recording area, interleaving the data to which the data linking blocks have been appended and linking the interleaved data at a linking position in the data linking block, the method comprising steps of:

storing one, after the linking position, of the data in the data linking block which will be placed across the linking position due to the interleaving; and

linking the interleaved data by appending the stored data to subsequent data.

9. The method as set forth in claim 8, wherein the data linking blocks include at least one run-out block, one link block and at least one run-in block.

10. A data recorder for writing data to a data recording area of a recording medium, the apparatus comprising:

means for appending data linking blocks at each unit of data to continuously be written to the data recording area;

means for interleaving the data to which the data linking blocks have been appended; and

means for writing the data to the data recording area of the recording medium while linking the interleaved data at a linking position in the data linking block;

the data writing means storing one, after the linking position, of the data in the data linking block which will be placed across the linking position due to the interleaving, and linking the interleaved data by appending the stored data to subsequent data.

11. The apparatus as set forth in claim 10, wherein the data linking blocks include at least one run-out block, one link block and at least one run-in block.

12. The apparatus as set forth in claim 10, wherein the data linking blocks include one run-out block, one link block and one run-in block.

13. A data recording method for writing data to a data recording area of a recording medium by appending data linking blocks at each unit of data to

continuously be written to the data recording area, interleaving the data to which the data linking blocks have been appended and linking the interleaved data at a linking position in the data linking block, the method comprising steps of:

reproducing one, after the linking position, of the data in the data linking block which will be placed across the linking position due to the interleaving; and linking the interleaved data by appending the reproduced data to subsequent data.

14. The method as set forth in claim 13, wherein the data linking blocks include at least one run-out block, one link block and at least one run-in block.

15. A data recorder for writing data to a data recording area of a recording medium, the apparatus comprising:

means for appending data linking blocks at each unit of data to continuously be written to the data recording area;

means for interleaving the data to which the data linking blocks have been appended; and

means for writing the data to the data recording area of the recording medium while linking the interleaved data at a linking position in the data linking block;

the data writing means reproducing one, after the linking position, of the data in the data linking block which will be placed across the linking position due to the interleaving, and linking the interleaved data by appending the reproduced data to

subsequent data.

16. The apparatus as set forth in claim 15, wherein the data linking blocks include at least one run-out block, one link block and at least one run-in block.

17. The apparatus as set forth in claim 15, wherein the data linking blocks include one run-out block, one link block and one run-in block.